

Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401

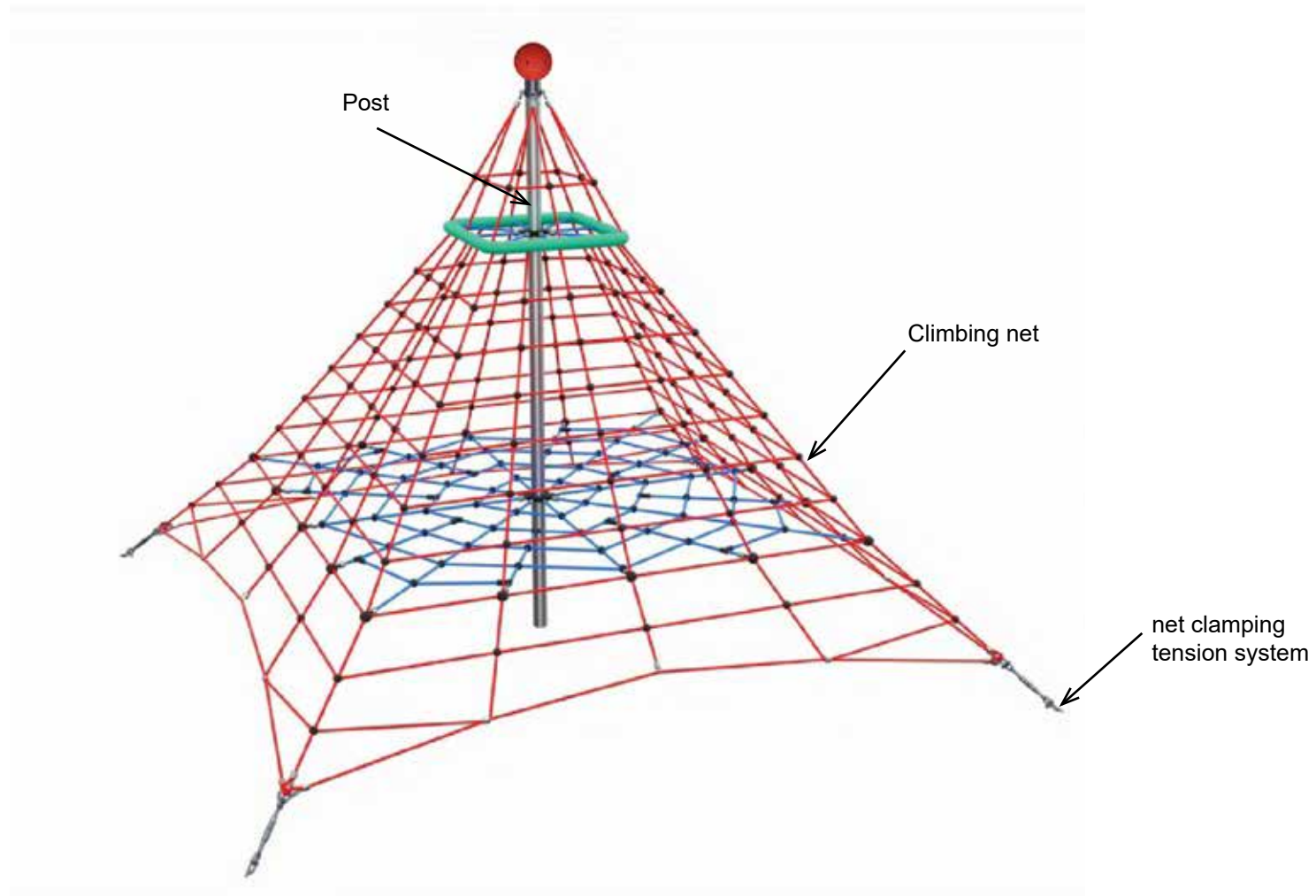


Diagram 1: Overall view of the play equipment

Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401

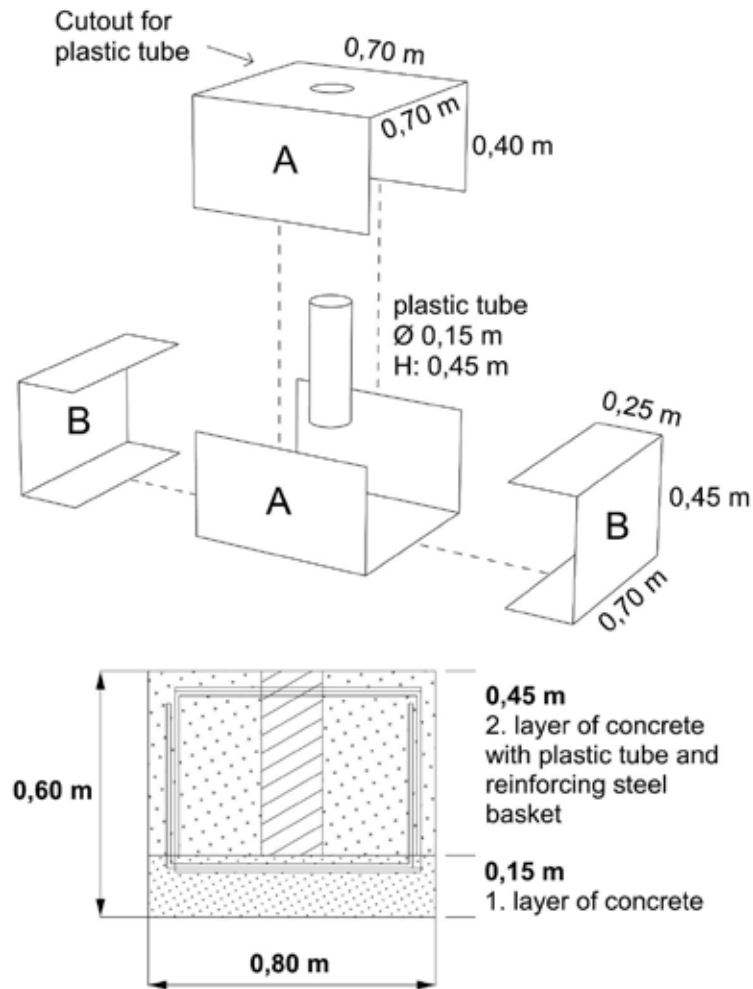


Diagram 2:
Production and position of the reinforcement basket for the middle foundation

1. Select the location of the play equipment taking into account the required minimum space (s. Diagram 10).
2. Please note the minimum size of the foundations of 1,00 m below the playground level. For the use of 0,40 m fall protection material, the playground level is marked on the device.
3. Preparing foundations
To ensure the required safety and smooth assembly, all dimensions and specifications according to drawing 1-10 must be observed.
Use concrete of quality C20/25.
The soil below the foundations must have a permissible soil pressure of $\sigma_{zul} \geq 150 \text{ kN/m}^2$.
4. Installation foundations
Production of the middle foundation:
 - 4.1. Dig pit (0,80 x 0,80 x 1,00 m).
 - 4.2. Fill in 0,15 m concrete.
 - 4.3. Insert the reinforcement basket and let the concrete harden completely.
 - 4.4. Determine the centre of the area, vertically align the plastic tube and fix in place.
 - 4.5. Fill in another 0,45 m of concrete, flush with the tube.
 - 4.6. Let the concrete harden completely.
5. Production of the edge foundations:
 - 5.1. Dig 4 pits (1,20 x 1,20 x 1,00 m).
 - 5.2. Fill in 0,55 m of concrete.
 - 5.3. Position the reinforcing steel mat in the middle.
 - 5.4. Bring in anchor element centre in the middle; take care of right position to the net. Think about the hole of the anchor. This has to be 2-3 cm above the foundation.
 - 5.5. Fill in another 0,05 m of concrete.
 - 5.6. Let concrete complete hardening.

Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401

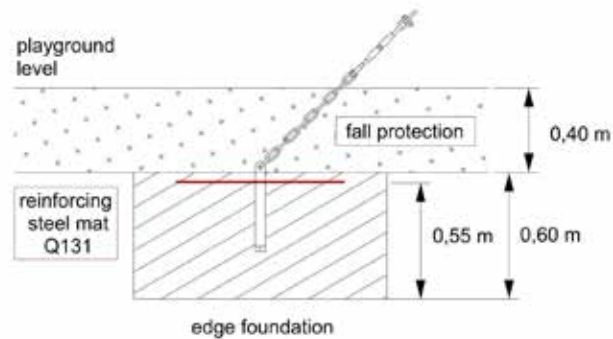


Diagram 3: Construction of the foundation with a reinforcing steel mat

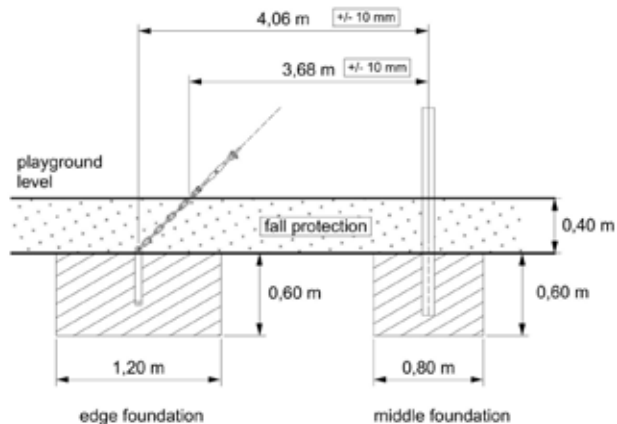


Diagram 4: Distance between the foundations and in the device space

6. Mounting post

- 6.1. Place the post in the plastic tube, align it in the middle and fix it.
- 6.2. Fill the remaining gap between the plastic pipe and the post with concrete.
- 6.3. Let concrete complete hardening.

7. Mounting net structure

To assemble and install the climbing pyramid 375-95, qualified personnel of at least 2 people are required.

- 7.1. Pull the locking rings with the centering ring onto the post.

The following sequence must be adhered to:

- 7.1.1. Black locking ring with shoulder
- 7.1.2. Black centering ring on the net – height 0,95 m
- 7.1.3. Black locking ring without shoulder
- 7.1.4. Black locking ring with shoulder
- 7.1.5. Black centering ring on the net – height 2,80 m
- 7.1.6. Black locking ring without shoulder

Then place the cap with the net on the post.

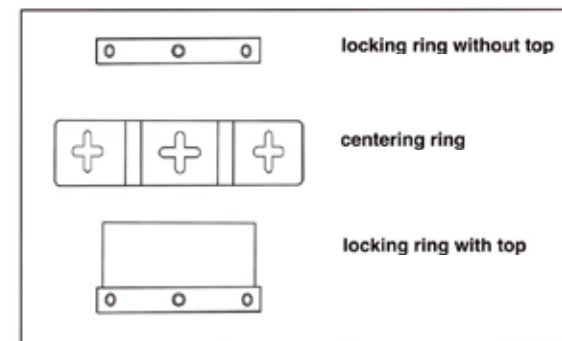


Diagram 5: Feststell- und Zentrieringe (Abbildung kann abweichen)

Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401

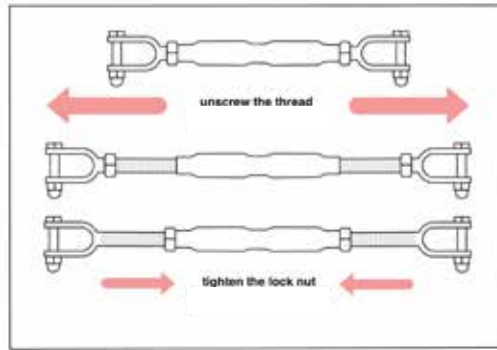


Diagram 6: Functional principle of a turnbuckle

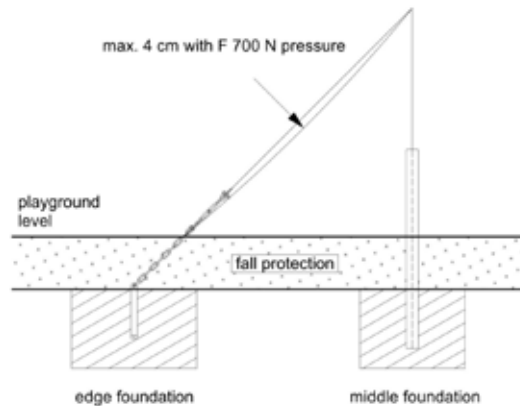


Diagram 6: Pressure-load test

The first centering ring is fixed at 0.95 m, the second at 2,80 m above the playground level. For this purpose, the grub screws of the locking rings are tightened evenly and firmly.

7.2 Open turnbuckles complete. Connect the individual chains to the foundation anchors using the shackles 1,2 cm. Connect the turnbuckles on the other side of the chains. Connect turnbuckles to the rings at the bottom of the net and align the net.

7.3 Tighten the turnbuckles until the ropes running to the cap are taut and give a maximum of approx. 4 cm under F 700 N pressure.

Secure the turnbuckle against unscrewing with a lock nut!

8. If the clamping distance of the turnbuckle is not sufficient to bring enough tension on the 4 main support cables, these must be secured in their position, for example with a ratchet strap. Open the turnbuckles again and re-attach 1 to 3 chain links in the direction of the foundation. Then repeat point 3.
9. Top up the fall protection.

Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401

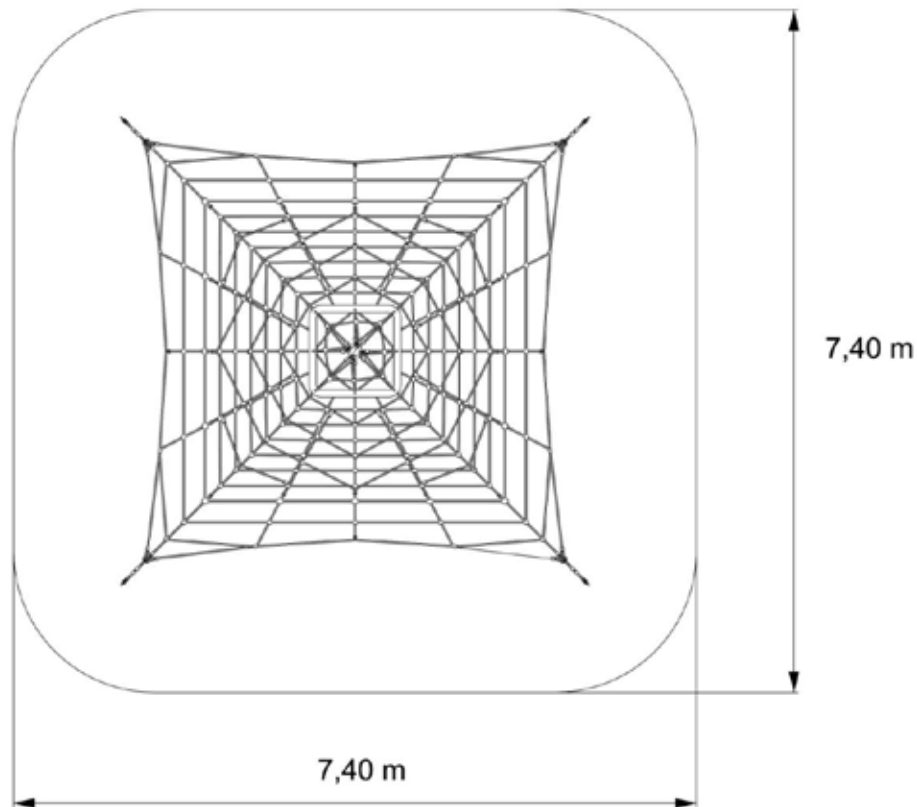


Diagram 7: Top view with use zone

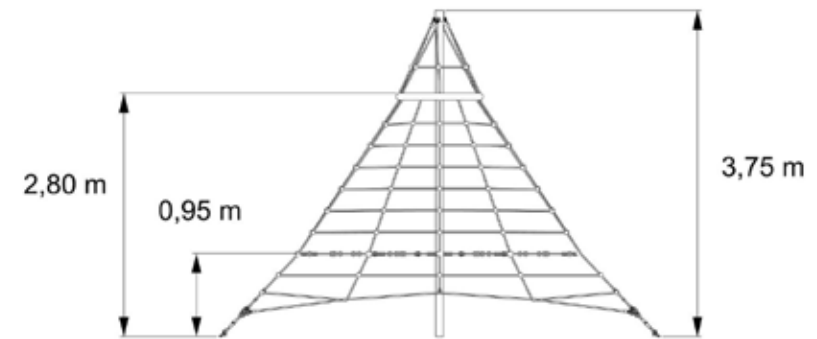


Diagram 8: Front view with net level

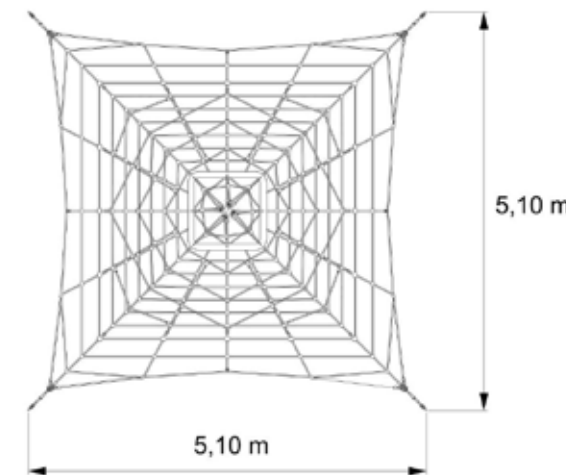


Diagram 9: Device space

Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401

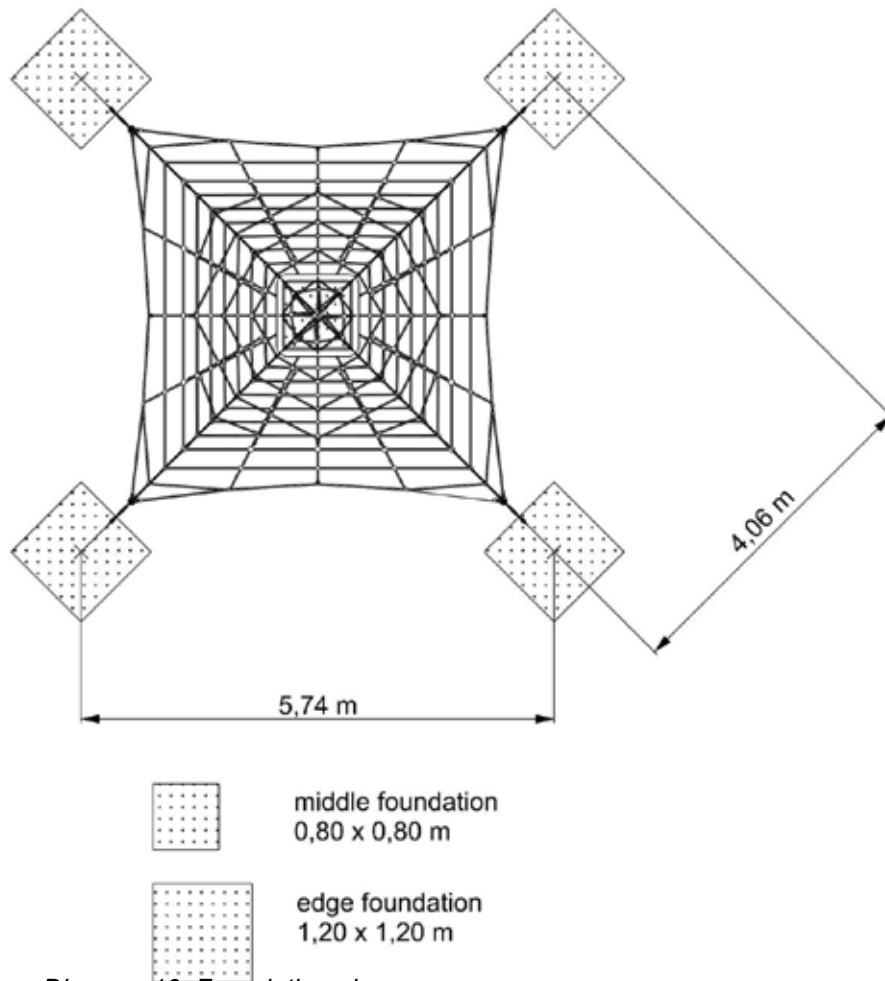
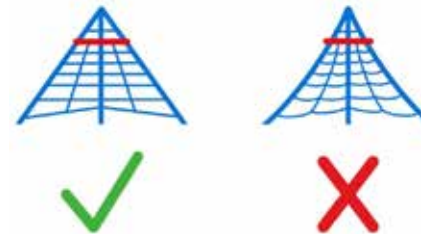


Diagram 10: Foundation plan

Safety and user information

- Do not carry any fire, naked flames, burning cigarettes or similar, knives or other sharp-edged objects with you.
- Do not wear high-heeled or sharp-edged shoes when climbing.
- Do not cut ropes or set them on fire!
- Do not loosen screws or nuts on shackles, turnbuckles or ball and T-connections!
- Do not jump off the pyramid or push other climbers!
- Do not eat or drink on the pyramid.
- No consumption of alcohol or narcotics on the device.

Check the tension of the ropes after 2 weeks and re-tension if necessary!



Mounting instructions for climbing equipment „pyramis 2“

Item-No. 51 6526 401



Attention: If the play equipment has been incompletely installed or partly dismantled when carrying out maintenance and repair work, this may lead to particular risks of injury for the user. For this reason, make clearly visible that the equipment shall not be used in such cases.

NOTE: Play equipment, which contain components made of stainless steel should not come with „normal“ steel parts in contact. Those steel parts may rub off and leave small steel particles in combination with moisture brown rust stains. If such corrosion occur on stainless steel parts, they are fine with an abrasive (240 grit) to remove.

Please take care when transporting and setting up the fact that the components are made of stainless steel with no „normal“ steel parts in contact.

In order to preserve a good visual appearance of your stilum playground equipment over a long period one should take care of maintenance of the stainless surface even despite of their corrosion resistance.

Especially areas, which can not be reached by rainfall should be frequently cleaned from dirt and deposits due to air pollution and dirt caused by the atmosphere. Light soiling can easily be removed by using a high pressure cleaner.

For persistent deposits use a clean cloth moistened with a special liquid cleaner (e.g. on phosphoric acid) and rinse off with clear water after a short application time. During cleaning with mild abrasive components, only wipe over stainless steel surface in polishing direction.

For heavily soiled surfaces, polishes can be used (e.g. for cleaning chrome on cars) or for greasy and oily dirt alcoholic cleaning agents and solvents (e.g. ethyl alcohol, isopropyl alcohol or acetone).

However, it should be noted that the dissolved soiling is not spread over the surface again.

Do not use any chlorid or hydrochloric containing cleaning products nor scouring powder, bleaching - or silver polish cleaner. Cleaning intervals depend on type

and degree of soiling as well as on demands made on optical characteristics. Therefore cleaning is advisable at intervals of six to twelve months – whereby in the case of strong soiling it is appropriate to clean the playground equipment at intervals of three to six months.